



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mull Drilling Company Inc.
 1700 N Waterfront Pkw y
 Bldg 1200
 Wichita KS 67205
 ATTN: Phil Askey

34-15s-26w Gove Co KS

Muchmore-Thornburg

Job Ticket: 63934

DST#: 1

Test Start: 2019.10.13 @ 20:22:15

GENERAL INFORMATION:

Formation: **H-I-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:40:45
 Time Test Ended: 02:46:30
 Interval: **4015.00 ft (KB) To 4100.00 ft (KB) (TVD)**
 Total Depth: 4100.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 2563.00 ft (KB)
 2558.00 ft (CF)
 KB to GR/CF: 5.00 ft

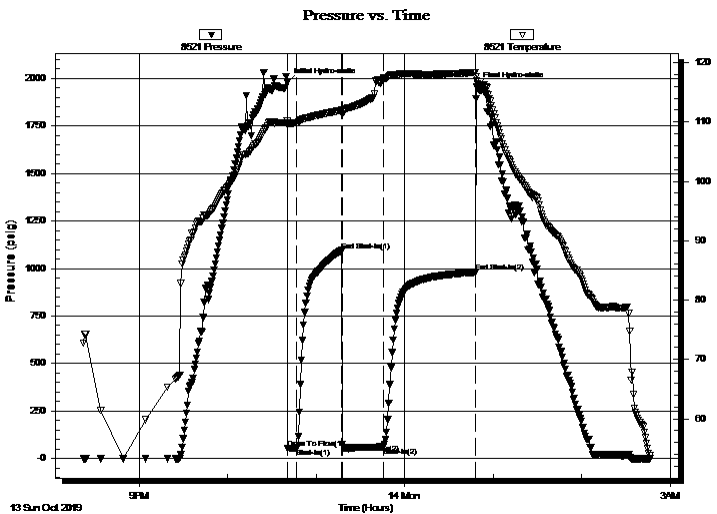
Serial #: 8521

Inside

Press@RunDepth: 61.25 psig @ 4085.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.10.13 End Date: 2019.10.14 Last Calib.: 2019.10.14
 Start Time: 20:22:15 End Time: 02:46:30 Time On Btm: 2019.10.13 @ 22:40:30
 Time Off Btm: 2019.10.14 @ 00:48:45

TEST COMMENT: IF: Built to 3/4" blow
 IS: No retron blow
 FF: Built to weak surface blow
 FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1979.36	110.18	Initial Hydro-static
1	53.19	109.50	Open To Flow (1)
7	54.78	109.89	Shut-In(1)
37	1094.69	111.99	End Shut-In(1)
38	74.52	111.20	Open To Flow (2)
65	61.25	117.36	Shut-In(2)
128	979.67	118.34	End Shut-In(2)
129	1956.73	116.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100% m	0.28

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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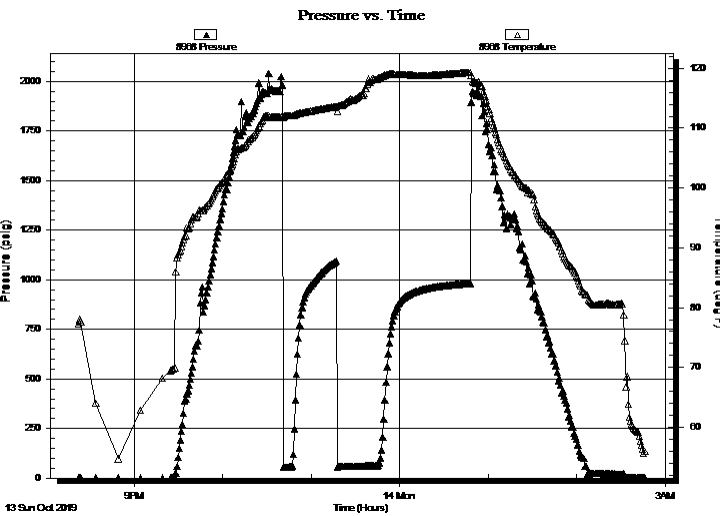
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 Unit No: 81
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 2558.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8968 Outside

Press@RunDepth: psig @ 4085.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.10.13 End Date: 2019.10.14 Last Calib.: 2019.10.14
 Start Time: 20:22:15 End Time: 02:46:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Built to 3/4" blow
 IS: No retron blow
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PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100% m	0.28

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Company Inc.

34-15s-26w Gove Co KS

1700 N Waterfront Pkwy
Bldg 1200
Wichita KS 67205
ATTN: Phil Askey

Muchmore-Thornburg

Job Ticket: 63934

DST#: 1

Test Start: 2019.10.13 @ 20:22:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100%m	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8521

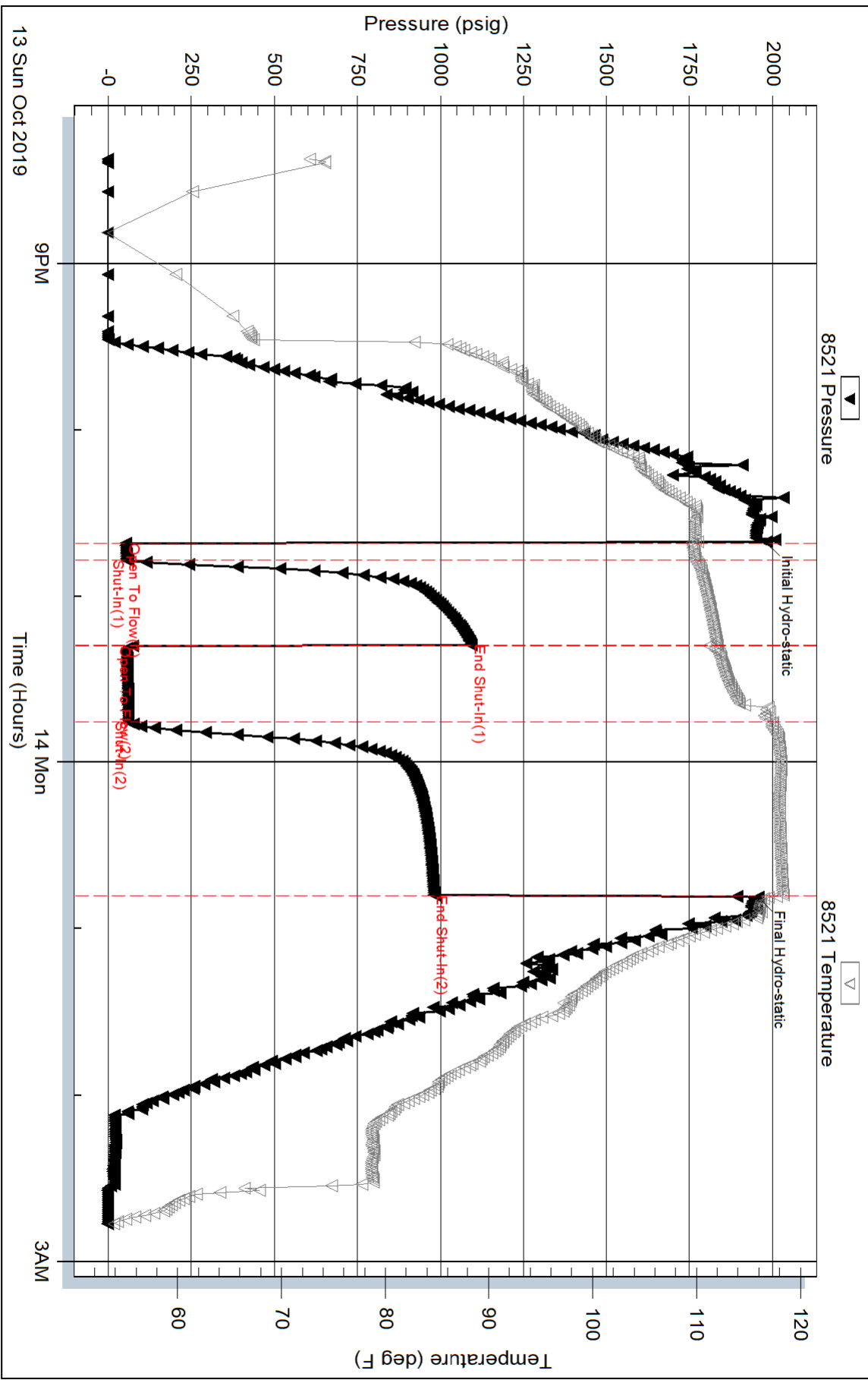
Inside

Mull Drilling Company Inc.

Muchmore-Thornburg

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63934

Printed: 2019.10.14 @ 07:56:19

Serial #: 8968

Outside Mull Drilling Company Inc.

Muchmore-Thornburg

DST Test Number: 1

